

ABSTRACT OF THE DISCLOSURE
A METHOD OF FABRICATING COMPOSITE TUBULAR DOOR FRAME

- A method of fabricating composite tubular door frame is disclosed.
- 5 The method comprises the steps of laying-up a plurality layers of prepreg composite fabrics on a mould having an upper mould component and a lower mould component, and each layer of the composite fabric being compacted; placing a plurality of nylon tubes over the composite fabric at the upper mould component with the ends of the nylon tubes being extended out at each of the corners of the mould to be sealed with a main bag placed over the top and envelope the upper mould component;
- 10 proceeding the mould to a curing step with a curing pressure of 4 to 7 bars with 0.3 to 0.7 bar vacuum, the mould being heated in an autoclave to 80 degree C and hold for 30 min. to 1.5 hour with 0.3 to 0.7 bar of vacuum in the enclosure enveloped the main bag sealed with the nylon tubes; and
- 15 removing the main bag from the mould and the nylon tubes being pulled out of from the mold and removing the mould to obtain a tubular door frame. Excess composite fabric is trimmed off from the fabricated tubular door frame.
- 20 (FIG. 3 (a))